ROVER How does it work and what is the function DiSEqC MOTOR (Dish Rotor)

The **“DiSEqC MOTOR”** function is available in SPECIAL FUNCTION of measuring instruments ROVER, is used to control the DiSEqC motor with **DiSEqC 1.2** protocol.

With a special **MENU**, you can:

- **CHAPTER A:** Move the motor in the direction EAST/WEST;
- **CHAPTER B:** Allocate the motor in the memory locations pre-stored by the engine manufacturer;
- **CHAPTER C:** Reset the pre-stored memory locations **(only available for some models of the engine)**;
- **CHAPTER D:** Store new memory locations.

NOTE: For further information, consult the user manual of the engine manufacturer.

CHAPTER A: Instructions to move the motor in the direction EAST/WEST:

1) Enter SATELLITE mode, press once the key ON/OFF **"HOME"** (Figure 1) to display the main MENU (Figure 2);
2) Select/tap the icon **"SPECIAL FUNCT"** (SPECIAL FUNCTION) (Figure 2);

Figure 1:
Key HOME

Figure 2: Menu HOME
Selection SPECIAL FUNCTION

or

1a) Go to SATELLITE mode, press the **"PLAN"** (Figure 3);
2a) Select/tap the icon **"SPECIAL FUNCT"** (SPECIAL FUNCTION) (Figure 4);

Figure 3:
Key PLAN

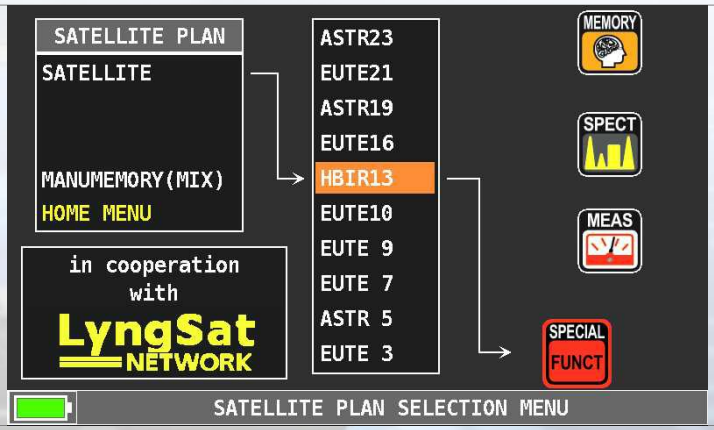

Figure 4: Menu PLANS SATELLITE
Select SPECIAL FUNCTION

3) In MENU SPECIAL FUNCTION select/tap the **"DiSEqC MOTOR"** (Figure 5);
4) Select/tap on the word **"MOTOR VIEW"** and select/tap mode **"SPECTRUM"** (Figure 6);

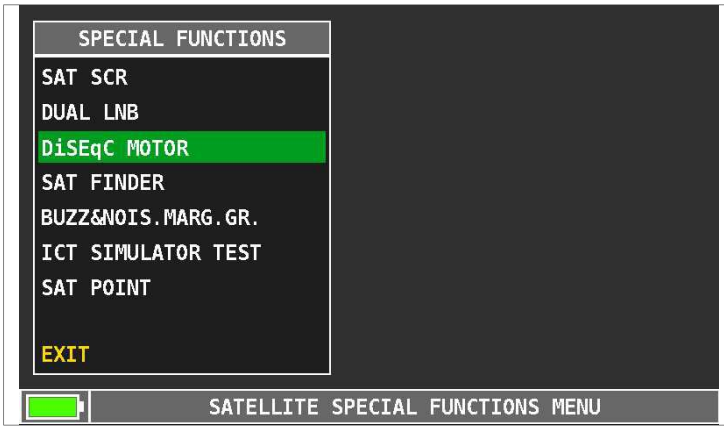

Figure 5: Selection function
DiSEqC MOTOR

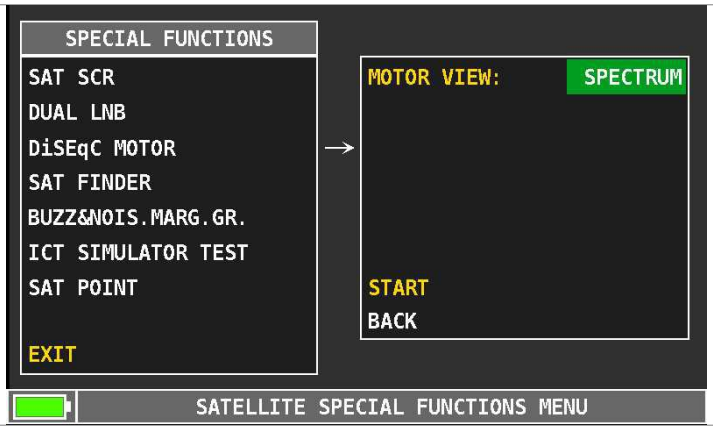

Figure 6: Selection function
MOTOR VIEW: SPECTRUM

5) When finished, select/touch the **"START"** (Figure 7) to exit the MENU and display the SPECTRUM (Figure 8);
6) Select/tap on the word **"ACTION"** and select/tap the command **"MOVE"** to move the motor (Figure 8);

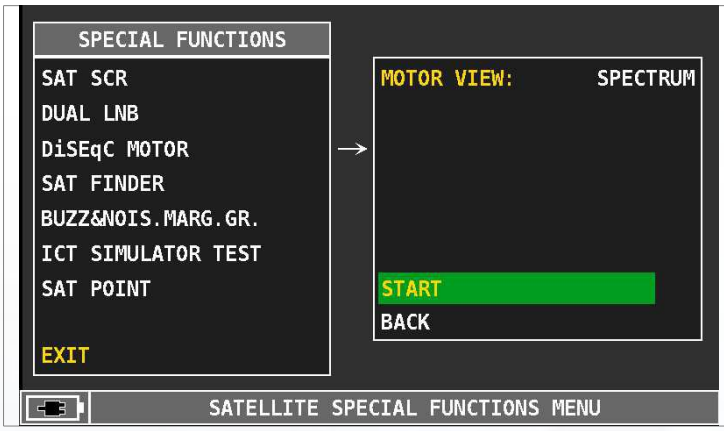

Figure 7:
Selecting START command

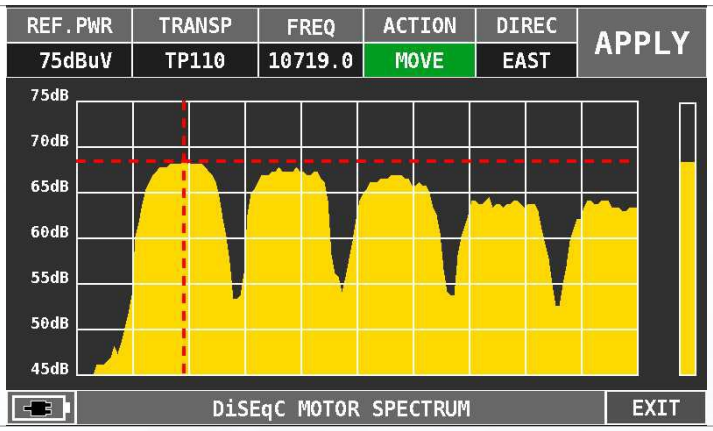

Figure 8: SPETTRO
Selection comand MOVE

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7) Select/tap on the word **"DIRECT"** (DIRECTION) and select/touch **"EAST"** to move the motor in the direction EAST (Figure 9) or **"WEST"** to move the motor in the direction WEST;
8) When finished, select/REPEATEDLY tap the **"APPLY"** to move step-by-step the motor in the direction selected (Figure 10).

NOTE: For each command sent to the engine, the instrument display shows the message **"WAIT ..."** (Figure 10). Wait for the operation to complete before sending new commands to the motor.

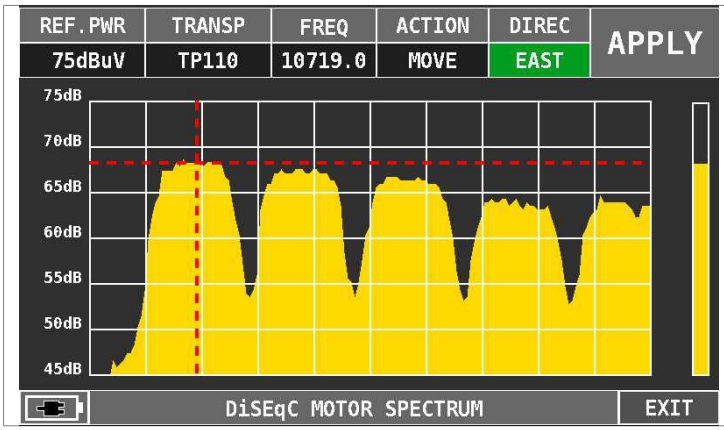

Figure 9: Selection command
ACTION MOVE - DIRECT EAST

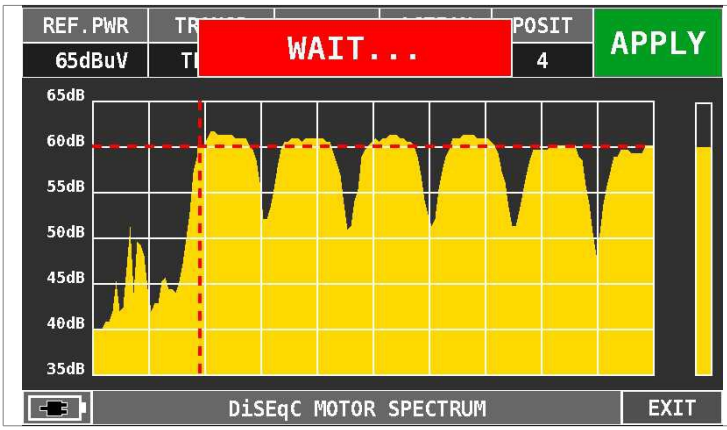

Figure 10: Selection command
APPLY

CAPITOLO B: Instructions to allocate the motor to a memory location **pre-stored in the engine** (eg table Figure 11):

9) Select/tap on the word **"ACTION"** (Figure 12);
10) Select/tap the **"GOTO"** (Figure 12);
11) Select/tap on the word **"POSIT"** (POSITION) (Figure 12);
12) Rotate the ENCODER and select the desired memory location, eg **"POSIT 4"** (Figure 12);
13) When finished, select/tap the **"APPLY"** to move the motor in the selected position (Figure 12).

NOTE: For each command sent to the engine, the instrument display shows the message **"WAIT ..."**. Wait for the operation to complete before sending new commands to the motor.

Pos nr	Satellite	Position	Pos nr	Satellite	Position
1	Hot Bird	13°E	15	Orion	37°W
2	Astra	19,2°E	16	Kopernicus 3	23°E
3	Eutelsat F3	16°E	17	Arabsat 2A	26°E
4	Eutelsat F2	10°E	18	Kopernicus 2	28°E
5	Eutelsat F4	7°E	19	Astra 2	28°E
6	Sirius	5°E	20	Arabsat 2B	30°E
7	Telecom 2C	3°E	21	Turksat 1B	31°E
8	Intelsat 707	1°E	22	Turksat 1C	42°E
9	Telecom 2B,2D	5°W	23	Intelsat 601	34,5°E
10	Telecom 2A	8°W	24	Pas 1	45°W
11	Intelsat 705	18°W	25	Amos	4°W
12	Intelsat Star	21°W	26	Thor	0,8°W
13	Intelsat 803	27°W	27	Nilesat	7°W
14	Hispasat	30°W	28	Eutelsat	12,5°W

Figura 11: Example table pre-stored satellite positions by the manufacturer in engine

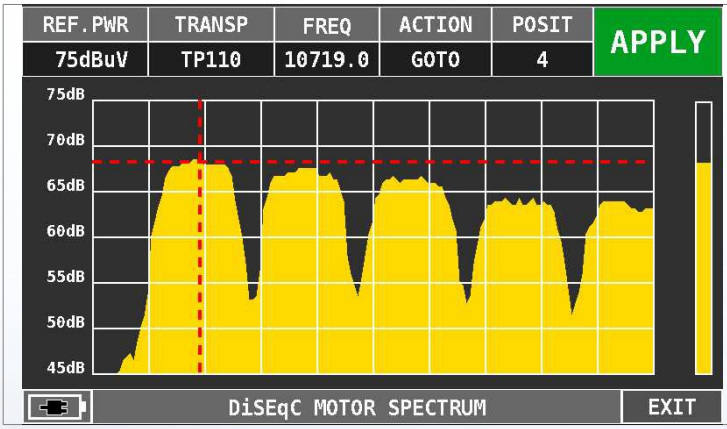

Figura 12: Selecting the command
ACTION GOTO - POSIT APPLY

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CHAPTER C: Instructions to RESET the memory locations pre-stored in the engine **(only available for some models of engine)**:

14) Select/tap on the word **"ACTION"** (Figure 13);
15) Select/tap the **"RESET"** button (Figure 13);
16) Select/tap on the word **"APPLY"** (Figure 13);

NOTE: For each command sent to the engine, the instrument display shows the message **"WAIT ..."**. Wait for the operation to complete before sending new commands to the motor.

CHAPTER D: Instructions STORE new locations in memory:

17) Select/tap on the word **"ACTION"** (Figure 14);
18) Select/tap the **"STORE"** (Figure 14);
19) Select/tap on the word **"POSIT"** (Figure 14);
20) Rotate the ENCODER and select the desired memory location, eg **"POSIT 29"** (Figure 14);
21) Select/tap on the word **"APPLY"** (Figure 14).

NOTE: For each command sent to the engine, the instrument display shows the message **"WAIT ..."**. Wait for the operation to complete before sending new commands to the motor.

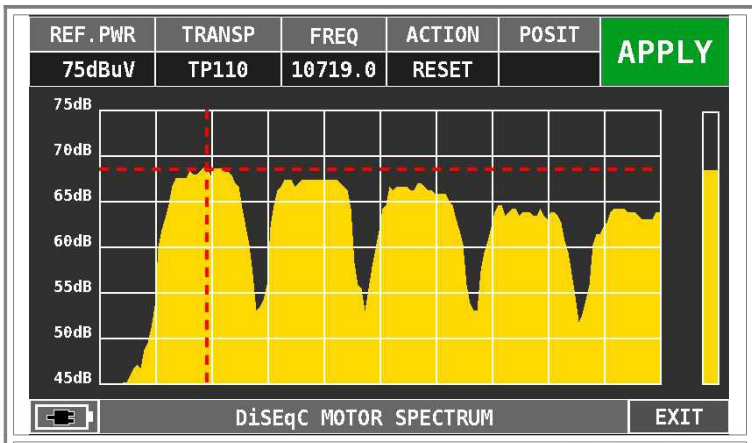

Figure 13: Selecting comandi
ACTION - RESET APPLY

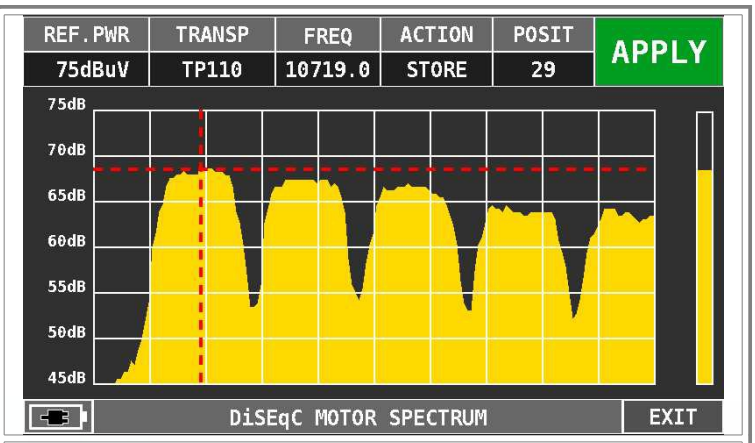

Figure 14: Selecting command
ACTION STORE - POSIT APPLY

E 'can also use the DiSEqC MOTOR in MEASURE mode:

22) In MENU SPECIAL FEATURES select / tap the **"DiSEqC MOTOR"** (Figure 15);
23) Select / tap on the word **"MOTOR VIEW"** and select / tap mode **"MEASURE"** (Figure 16);

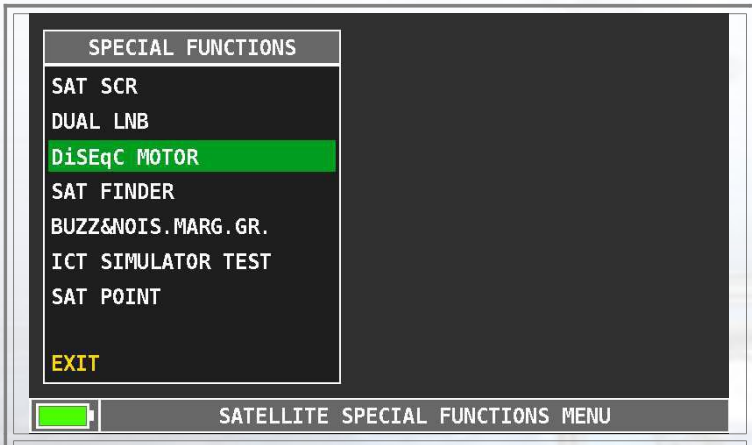

Figura 15: Select
DiSEqC MOTOR

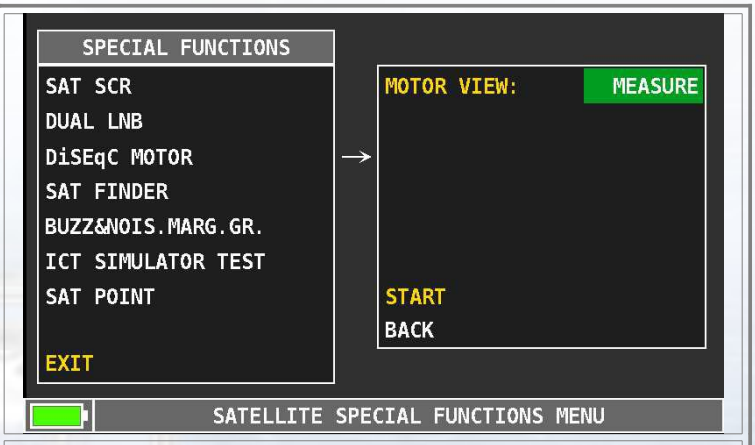

Figura 16: Selecting command
MOTOR VIEW - MEASURE

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24) At the end select/tap on the word **"START"** (Figure 17) to exit the MENU and view MEASURES (Figure 18);
25) Use the commands described above for engine management in both **"MOVE"**, **"GOTO"**, **"RESET"** and **"STORE"**.

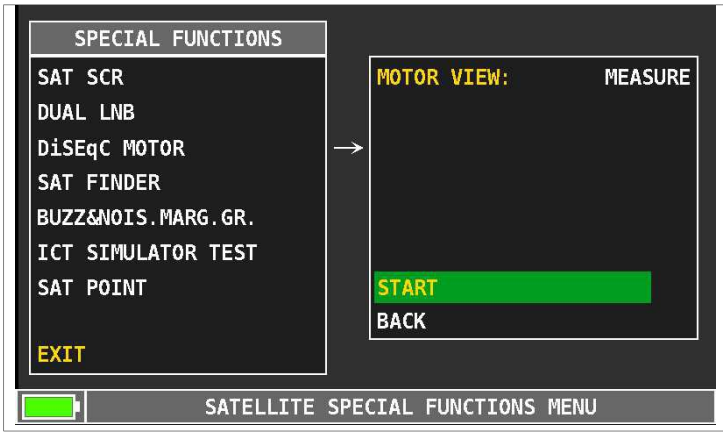

Figure 17: Selecting the command MEASURE - START

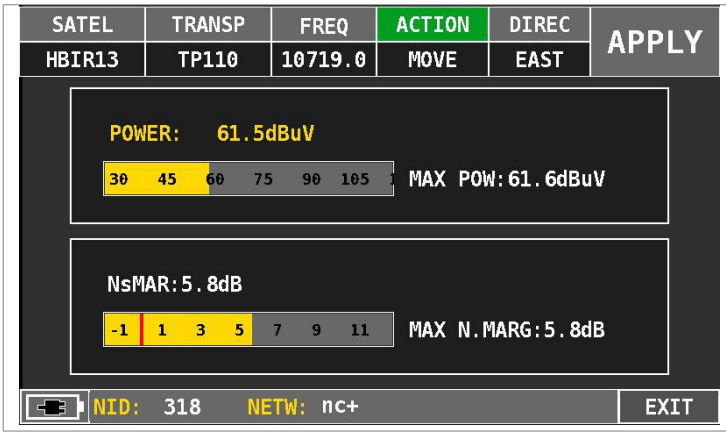

Figure 18: Mode MEASURE

NOTE: For each command sent to the engine, the instrument display shows the message **"WAIT ..."**. Wait for the operation to complete before sending new commands to the motor.

NOTE: MENU (written and graphic) of the figures shown in this **"F.A.Q."** may vary from model to model without notice.